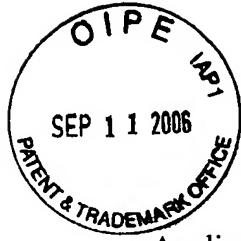


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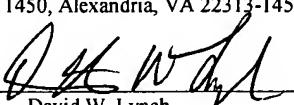


PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: GILL Examiner: HEINZ, A.  
Serial No.: 10/674,725 Group Art Unit: 2653  
Filed: September 30, 2003 Docket No.: HSJ920030082US1  
Title: METHOD AND APPARATUS FOR PROVIDING A BALLISTIC  
MAGNETORESISTIVE SENSOR IN A CURRENT PERPENDICULAR-  
IN-PLANE MODE

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on September 5, 2006.

By:   
David W. Lynch

AMENDMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

An Office Action dated June 5, 2006 has been received and carefully reviewed. In view of the following amendments and remarks, reconsideration of the application and withdrawal of the rejections are respectfully solicited.

Amendments to the specification begin on page 2 of this paper.

Amendments to the claims begin on page 3 of this paper.

Remarks begin on page 12 of this paper.